MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2021/2022

DWD5034 – WEB DESIGN

(All sections/Groups)

15 AUGUST 2022
9.00 a.m – 11.00 a.m
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of 9 pages with 2 sections.

2. Attempt **ALL** questions in Section A and Section B. The distribution of the marks for each question is given.

3. Please write all your answers for Section A on the OMR form provided and all answers for Section B in the Answer Booklet provided.

SECTION A: Multiple Choice Questions (25 Marks)

1. A(n) _____ is a software that allows webpages to be viewed.
   A. editor
   B. tablet
   C. browser
   D. Notepad++

2. Which of the following Windows function keys reloads or refreshes a webpage?
   A. F5
   B. F12
   C. F1
   D. F3

3. A _____ is a page designated to be the main entry point to a website.
   A. primary page
   B. main page
   C. first page
   D. home page

4. _____ is mainly used by those websites which deal with monetary transactions or transfer user's personal data which could be highly sensitive.
   A. HTTPS
   B. HTML
   C. HTTP
   D. FTP

5. The closing HTML tag includes the _____ symbol.
   A. *
   B. #
   C. &
   D. /

6. HTML tags:
   A. must be written in capital letters.
   B. uses the symbols '(' and ')'.
   C. are not case sensitive.
   D. must be written in lower case.

Continued ...

7. An image can be resized using _____.
   A. the `width` and `height` attributes
   B. the `size` attribute
   C. the `border` attribute
   D. the `dimension` and `resize` attributes

8. The `<strong>` tag can be replaced with the _____ tag.
   A. `<i>`
   B. `<b>`
   C. `<em>`
   D. `<s>`

9. When using the heading tags, the browser will display the contents:
   A. in bold and all capital letters.
   B. with a hyperlink.
   C. with an underline.
   D. in bold letters.

10. To create a borderless table in HTML, which of the following attributes and corresponding value can be used within the `<table>` tag?
    A. `line="0px"`
    B. `border="none"`
    C. `border="0px"`
    D. `size="0px"`

11. HTML allows which of the following patterns for an unordered list?
    A. ○
    B. ⊙
    C. □
    D. ◆

12. Which of the following `<audio>` tag attributes show the play, pause and volume buttons?
    A. `type`
    B. `buttons`
    C. `src`
    D. `controls`

Continued ...

13. To include a video from YouTube directly to your webpage, which of the following tags is the **MOST** suitable to be used?
    A. `<video>`
    B. `<iframe>`
    C. `<img>`
    D. `<section>`

14. The `cols` attribute used in a `<textarea>` specifies the:
    A. short hint that describes the expected value.
    B. number of rows that can be seen.
    C. fixed size of the textarea.
    D. visible width of the textarea.

15. A form can be separated into multiple groups or sections using the _____ tag.
    A. `<frame>`
    B. `<label>`
    C. `<fieldset>`
    D. `<span>`

16. The code `<input type= "color">`:
    A. shows a colour picker.
    B. changes the background colour of the form.
    C. changes the text colour of the form.
    D. displays a text box for the user to type the name of a colour.

17. To limit the number of characters that is entered into a text box, which attribute is used?
    A. `limit`
    B. `maxlength`
    C. `maximum`
    D. `stop`

18. Which of the following attributes is **NOT** used in the `<select>` tag?
    A. `multiple`
    B. `name`
    C. `value`
    D. `size`

19. Which of the following is a hexadecimal colour code representation in CSS?
    A. `hsl(120, 100%, 50%)`
    B. `rgb(100,25,300)`
    C. `Pink`
    D. `#ABC123`

Continued ...

20. What is the reason CSS codes are used together with HTML?
    A. CSS helps to format the design and placements of the contents of a webpage.
    B. CSS helps to insert the contents of a webpage.
    C. CSS is used to write formula to perform calculations in a webpage.
    D. CSS is used to extract values from a form for further processing.

21. To remove an underline from an element, which of the following declaration is used?
    A. `text-style: none;`
    B. `font-style: none;`
    C. `font-underline: remove;`
    D. `text-decoration: none;`

22. Given the CSS declaration `border: x y z;` the border colour is represented by:
    A. `x`
    B. `y`
    C. `z`
    D. None of the letters. The border property is not able to define a border colour.

23. In JavaScript, when a code is written as `x = y;`, it means:
    A. the value of variable y is assigned to variable x.
    B. the content of variable x is compared to the content of variable y.
    C. the value of variable x is assigned to variable y.
    D. this is an invalid code in JavaScript.

24. All of the following are errors in JavaScript, **EXCEPT**:
    A. Missing a closing bracket.
    B. Typing the keyword `var` in capital letters.
    C. Excluding the `<script>` tag when writing JavaScript codes.
    D. Starting a comment with the symbol "//".

25. Clicking the "OK" button on a confirm box returns a _____ value.
    A. `false`
    B. `true`
    C. `no`
    D. `yes`

(Total: 25 marks)

Continued ...

SECTION B: Structured Questions (75 Marks)

QUESTION 1

(a) Write the HTML codes to display the table shown below. Set the table width as 700px. The last row has a smaller text. (10 marks)

Application is open until 30 September 2022

No	Position	Grade	Level	Salary	
				Minimum	Maximum
Executive Group					
1	Accounts Executive	G41	Agriculture	RM 2084.00	RM 9551.00
2	Administration Executive	N41	Administration and Support	RM 2080.00	RM 9546.00
Candidates must be willing to be posted in any state.					

(b) Write the HTML codes to display the following list. Refer to the guidelines given below for the expected output. (7 marks)

Grandma's Delicious Recipe

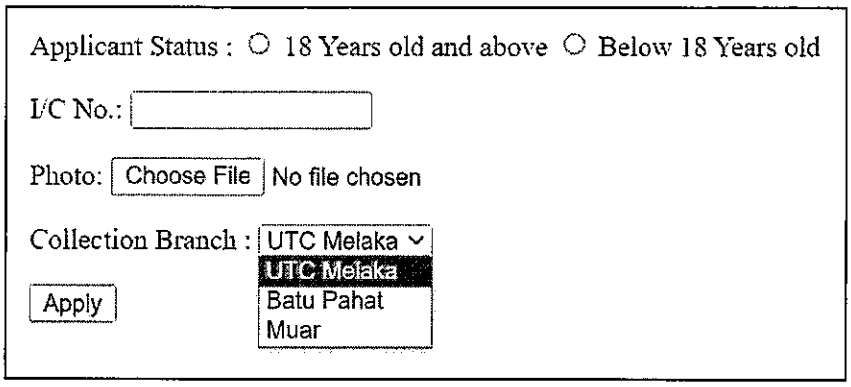
1. 1 can pumpkin puree
2. Store bought chilled pie dough for one single-crust 9-inch pie
3. 1 can EAGLE BRAND® Sweetened Condensed Milk
    - May visit Shopee to purchase online
    - Email Grandma to get other brands
4. 2 large free range eggs
5. 1 teaspoon ground cinnamon
6. Half teaspoon of:
    - Kosher salt
    - Ground ginger
    - Vanilla extract
7. 1 (9-inch) unbaked pie crust

Guidelines for the expected output.

- The first line uses heading level 3.
- Link **Shopee** to https://shopee.com.my/ which opens in a new tab.
- Link **Grandma** to the email address grandma@gmail.com.

Continued ...

(c) Write the HTML codes to design the following form. Refer to the guidelines given below for the expected output. (8 marks)



Guidelines for the expected output.

- I/C No. :
  - Should be able to enter exactly 12 characters.
  - The text box size is 15.
  - This text box is compulsory to be filled.
- Photo: Allows *.png* and *.jpg* file formats to be chosen. Only one file can be selected.

(Total: 25 marks)

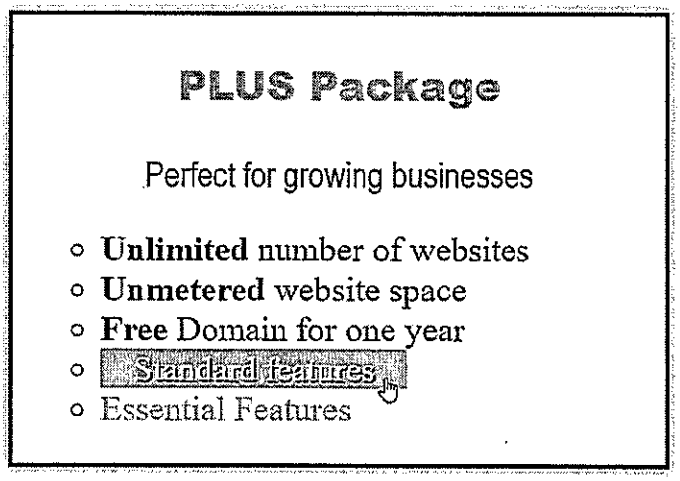
QUESTION 2

Write the **Internal CSS** codes based on the description given. (25 marks)

- Create an **id** named *container* used only by the `<div>` tag.
  - The width is 300px.
  - Insert a 2px Blue border with a solid pattern.
  - Insert a 4px Grey shadow which appears all around the box.
- Any heading level 3 which is inside the `<div>` that uses the *container* **id**:
  - The text typeface is Arial Black.
  - The text colour is #79BAEC.
  - The text will be in the middle of the box.
- Any paragraph which is inside the `<div>` that uses the *container* **id**:
  - The text typeface is Arial Narrow.
  - The text colour is DarkBlue.
  - The text will be in the middle of the box.
- Any unordered list which is inside the `<div>` that uses the *container* **id**:
  - The bullet pattern is circle.

Continued ...

- Any `<span>` tag which uses the *bold* **class** which is inside the `<div>` that uses the *container* **id**:
    - The text is bold.
- Any link used in an unordered list which is inside the `<div>` that uses the *container* **id**:
    - The text colour is Orange.
    - There is no underline for the text.
- When the cursor goes over any link used in an unordered list which is inside the `<div>` that uses the *container* **id**:
    - The background colour changes to Lime.
    - The text colour becomes White.
    - There will be a 1px horizontal and 1px vertical Black shadow for the text.
    - Insert a 15px space between the left and right border and the content.



(Total: 25 marks)

QUESTION 3

Write the JavaScript codes to calculate the earnings received by share owners based on the description given. (25 marks)

- Declare all the variables used in this program.
- Ask the user to enter the share code using a prompt box. Store the value in a variable named *share_code*.
- Ask the user to enter the number of shares owned using a prompt box. Store the value in a variable named *num_of_shares*.
- Using **if else** statements, identify the company name, current share price and dividend per share based on the *share_code* by referring to the given table. Use *company_name*, *current_share_price* and *dividend_per_share* as the variable names.

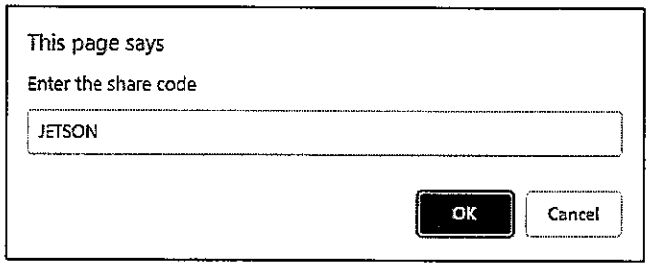
Continued ...

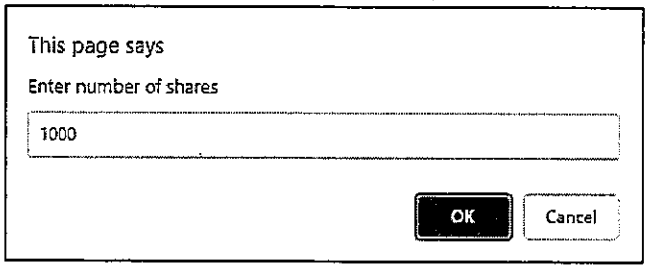
Share Code	Company Name	Current Share Price	Dividend Per Share
PERTAMA	Pertama Digital Berhad	RM 0.90	RM 0.10
JETSON	Kumpulan Jetson Sd. Bhd.	RM 1.25	RM 0.15
SMI	South Malaysian Industries Sdn. Bhd.	RM 0.40	RM 0.05

- Next, ask the user if they would like to appoint a broker using a *confirm* box. Save their response in a variable named *appoint_broker*. Next use **if else** statement to check their response:
    - If they agree, they will be charged 15% for the brokerage fee. Store this value in a variable named *broker_fee_percentage*. Save the status of the agreement as "Broker required" and store this value in a variable named *status*.
    - If they disagree, the brokerage fee is 0% and the status will be "None".
- Now write the formulas to calculate:
    - Current total which is number of shares multiplied with the current share price. Save the result in a variable named *current_total*.
    - Dividend earnings which is number of shares multiplied with dividend per share. Save the result in a variable named *dividend_earnings*.
    - Total earnings which is the sum of current total and dividend earnings. Save the result in a variable named *total_earnings*.
    - Brokerage charges will be the total earning multiplied with the brokerage fee percentage. Save the result in a variable named *broker_charges*.
    - Earnings will be total earnings subtracted with brokerage charges. Save the result in a variable named *earnings*.
- Display the results on the browser as shown at the screenshots.

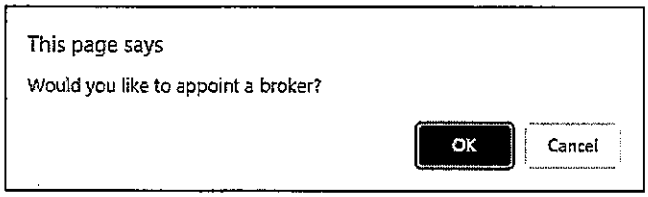
(Total: 25 marks)

Scenario 1





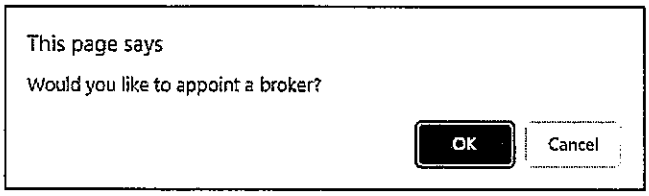
Continued ...



In this example, the user clicked on the "OK" button.

Company : Kumpulan Jetson Sd. Bhd.
Total Earnings : RM1400.00
Broker Charges : RM210.00 [Broker required]
Earnings : RM1190.00

Scenario 2



In this example, the user clicked on the "Cancel" button.

Company : Kumpulan Jetson Sd. Bhd.
Total Earnings : RM1400.00
Broker Charges : RM0.00 [None]
Earnings : RM1400.00

End of Paper